



RO ASSOCIATES

3705 Haven Avenue
Menlo Park, Calif. 94025

Return Postage
Guaranteed

BULK RATE
U.S. POSTAGE

3.6¢ PAID

Menlo Park, Calif.
Permit No. 253

T. Nelson
INTERLOCKING SYSTEMS CO.
Box 1546
Poughkeepsie, NY 12603



**Now bulky power supplies
are out of the picture!**

RO presents a 10 Amp, 5 Volt Package for digital IC's
... in 5" x 4" x 2 1/4".



RO ASSOCIATES

3705 Haven Avenue
Menlo Park, Calif. 94025

Return Postage
Guaranteed

BULK RATE
U.S. POSTAGE

3.6¢ PAID

Menlo Park, Calif.
Permit No. 253

T. Nelson
INTERLOCKING SYSTEMS CO.
Box 1546
Poughkeepsie, NY 12603



**Now bulky power supplies
are out of the picture!**

RO presents a 10 Amp, 5 Volt Package for digital IC's
... in 5" x 4" x 2 1/4".



Power Converter for Digital Integrated Circuits Model 210

OUTSTANDING FEATURES

- 10 Amps in 45 cubic inches (5" x 4" x 2 1/4")
- Universal mounting provisions
- Current Limit short circuit proof
- Automatic recovery overvoltage protection
- Remote sensing
- Completely RFI filtered
- No audible noise, 20 kc operation
- Adjustable Voltage, 3.5 to 5.5V

DESCRIPTION

The RO 200 series power supplies are especially designed for digital IC systems. They operate at 20 kc and eliminate the usual bulky power transformer and heat sink. The amazing reduction in volume is possible due to the high efficiency available with high frequency techniques. Complete power supply and load protection is standard. Many of the features, by themselves or in combination, are exclusive with RO.



5 Volts-10 Amps
5" x 4" x 2 1/4"

SPECIFICATIONS

DC output 3.5 to 5.5 volts adj., 10 Amps

Input 105 to 130 VAC, 50 to 1000 Hz

Regulation $\pm 0.1\%$ for $\pm 10\%$ change in input
0.1% for zero to full load change

Ripple and noise . . . less than 20 mv p-p

Power supply
protection current limit provides continuous short
circuit and overload protection

Load protection . . . automatic recovery overvoltage pro-
tection is included as standard

Transient response . . No turn on or turn off overshoot
400 mv for 700 μ sec for 25% step
change in load
800 mv for 700 μ sec for 50% step
change in load.

Temperature
stability better than 0.01% / °C

Cooling Max mounting base temperature for
full output is 85°C

For *no* (air or conductive) cooling, max
ambient temperature 30°C for full
output. Derate linearly to 6 Amps @
60°C

Operating
temperature -20°C to +85°C
(see above cooling spec)

Efficiency 70%

Remote sensing . . . remote sensing connections standard

Specification Drawing and Block Diagram on Reverse Side

ORDERING INFORMATION

Price \$199.00 (1 to 99)

Shipping weight 2.5 lbs.

Delivery Stock to 2 weeks

Terms 1/2 % 10 days net 30 days, f.o.b. Menlo Park

ORDER FROM FACTORY OR LOCAL RO REPRESENTATIVE

Chicago, Illinois, (312) 774-1500; Dallas, Texas, (214) 363-
1526; Houston, Texas, (713) 667-3420; Los Angeles, Cali-
fornia, (213) 670-1700; New York, New York, (201) 845-6668;
Philadelphia, Pennsylvania, (215) 687-3535; San Francisco,

California, (415) 467-1880; Seattle, Washington, (206) 746-
6770; St. Louis, Missouri, (314) 423-7200; Toronto, Canada,
(416) 699-5521; Washington, D. C., (703) 527-3262

RO ASSOCIATES, Incorporated/3705 Haven Avenue/Menlo Park, California 94025/(415) 322-5321/TWX: 910-378-5929

